

Title (en)
Automatic reflector tracking apparatus

Title (de)
Automatisches Reflektornachführgerät

Title (fr)
Appareil automatique de poursuite d'un réflecteur

Publication
EP 1422498 B1 20160323 (EN)

Application
EP 03090395 A 20031120

Priority
JP 2002339345 A 20021122

Abstract (en)
[origin: EP1422498A2] The present invention comprises an illumination portion (11), which is disposed in a surveying machine body (8), for illuminating measurement light toward a reflector (2), a light receiving portion (12), which is disposed in the surveying machine body (8), having an image sensor for receiving a reflection light image (M0) of the measurement light illuminated toward the reflector (2), arithmetic means (37) for calculating a position in an area (Q2) of the image sensor (27) for the reflection light image (M0) from the reflector, and a rotation mechanism for rotating the survey machine body (8) so as to position the reflector (2) on a light receiving optical axis (02) of the light receiving portion (12) based on the position obtained by the arithmetic means (37), and a light receiving area (Q3) which is a smaller area than the area (Q2) of the image sensor (27) and has the light receiving optical axis (02) as a center is provided in the area (Q2) of the image sensor (27).

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G01C 15/00 (2006.01)

CPC (source: EP US)
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Cited by
EP2071283A3; EP3640678A1; US10917601B2; US11525677B2; US11493340B2; US11566897B2; US11493632B2; US11802966B2

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